IN THE CLAIMS

Please cancel Claims 1, 3, 4, 7, and 8; amend Claims 2, 5, 6, and 9; and add new Claims 10 and 11 as follows.

---

a1

2. (AMENDED) The air conditioner according to Claim 9 wherein:

said drain pipe is provided at a position under a tilted lower end of said cooling heat exchanger.

---

a2

5. (AMENDED) The air conditioner unit according to Claim 9, wherein said tubes are disposed to extent in a direction approximately parallel to an introduction direction of air being introduced into said space.

6. (AMENDED) The air conditioner unit according to Claim 1 wherein:

said cooling heat exchanger is tilted relative to the horizontal surface by a tilt angle; and

said tilt is in a range of 10° - 30°.

---

a3

9. (AMENDED) An air conditioner for a vehicle having a passenger compartment, the air conditioner comprising:

a blower unit for blowing air, said blower unit being disposed in the passenger compartment at a position offset from a center of an instrument panel in a vehicle width direction; and

an air conditioning unit, for adjusting an air state to be blown into the passenger compartment, said air conditioning unit being disposed generally at the center of the instrument panel at a downstream air side of said blower unit, said air conditioning unit including:

a case forming an air passage through which air blown by said blower unit flows into the passenger compartment, said case having a first opening for blowing air toward an upper side of the passenger compartment, and a second opening for blowing air toward a lower side of the passenger compartment,

a cooling heat exchanger for cooling air, said cooling heat exchanger being disposed within said case approximately horizontally to form a space under said cooling heat exchanger in said case, in such a manner that air from said blower unit is introduced into said space approximately horizontally and passes through said cooling heat exchanger from below upwardly,

a3

a heating heat exchanger for heating air from said cooling hear exchanger, said heating heat exchanger being disposed approximately horizontally at an upper side of said cooling heat exchanger to heat air from said cooling heat exchanger so that a temperature of air to be blown into said first opening and said second opening is adjusted,

a mode switching member, disposed at a downstream air side of said heating heat exchanger, for selectively opening and closing said first opening and said second opening, and

a drain pipe through which condensed water generated by said cooling heat exchanger is discharged to an outside of said case, said drain pipe being provided

in said case at a most bottom position at said case under a lower side surface of said cooling heat exchanger on an upstream air side of the lower side surface, wherein:

a3

said cooling heat exchanger is tilted relative to a horizontal surface; and

said cooling heat exchanger includes a plurality of tubes disposed in parallel with each other and a plurality of corrugated fins each of which is disposed between adjacent tubes.

---

10. (NEW) The air conditioner according to Claim 9,

wherein said space is provided such that air blown by said blower unit is introduced into said space approximately horizontally in said vehicle width direction.

11. (NEW) An air conditioner for a vehicle having a passenger

a4

compartment, said air conditioner comprising:

a case forming an air passage;

a blower unit for blowing air, said blower unit being disposed at a first side of said case;

a cooling heat exchanger for cooling air, said cooling heat exchanger extending generally horizontally within said case to define a first end adjacent said blower unit and a second end adjacent a second side of said case, said second side of said case being opposite to said first side of said case, said second end of said cooling heat exchanger being lower than said first end of said cooling heat exchanger, said cooling heat exchanger defining a space between said case and said cooling heat exchanger, said blower unit blowing air into said space in a direction from said first end

NEW CLAIMS

New Claim 10 depends from Claim 9 a is thus believed to be allowable. New Claim 11 is an independent Claim which defines the position of the drain pipe and the air flow.

CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

Dated: Sept 26, 2002

By: _____
Michael J. Schmidt
Reg. No. 34,007

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

ATTACHMENT FOR CLAIM AMENDMENTS

The following is a marked up version of each amended claim in which underlines indicates insertions and brackets indicate deletions.

2. (AMENDED) The air [conditioning] conditioner according to Claim [1] 9 wherein:

[said cooling heat exchanger is slightly tilted relative to a horizontal surface; and]

said drain pipe is provided at a position under a tilted lower end of said cooling heat exchanger.

5. (AMENDED) The air [conditioning] conditioner unit according to Claim [4] 9, wherein said tubes are disposed to extent in a direction approximately parallel to an introduction direction of air being introduced into said space.

6. (AMENDED) The air [conditioning] conditioner unit according to Claim 1 wherein:

said cooling heat exchanger is tilted relative to [a] the horizontal surface by a tilt angle; and

said tilt is in a range of 10° - 30°.

9. (AMENDED) An air [conditioning] conditioner for a vehicle having a passenger compartment, the air conditioner comprising:

a blower [nit] unit for blowing air, said blower unit being disposed in the passenger compartment at a position offset from a center of an instrument panel in a vehicle width direction; and

an air conditioning unit, for adjusting an air state to be blown into the passenger compartment, said air conditioning unit being disposed generally at the center of the instrument panel at a downstream air side of said blower unit, said air conditioning unit including:

a case forming an air passage through which air blown by said blower unit flows into the passenger compartment, said case having a first opening for blowing air toward an upper side of the passenger compartment, and a second opening for blowing air toward a lower side of the passenger compartment,

a cooling heat exchanger for cooling air, said cooling heat exchanger being disposed within said case approximately horizontally to form a space under said cooling heat exchanger in said case, in such a manner that air from said blower unit is introduced into said space approximately horizontally and passes through said cooling heat exchanger [through said space] from below upwardly,

a heating heat exchanger for heating air from said cooling hear exchanger, said heating heat exchanger being disposed approximately horizontally at an upper side of said cooling heat exchanger to [adjust] heat air from said cooling heat exchanger so that a temperature of air to be blown into said first opening and said second opening is adjusted,

a mode switching member, disposed at a downstream air side of said heating heat exchanger, for selectively opening and closing said first opening and said second opening, and

a drain pipe through which condensed water generated by said cooling heat exchanger is discharged to an outside of said case, said drain pipe being provided in said case at a most bottom position [lower than] at said case under a lower side surface of said cooling heat exchanger[.] on an upstream air side of the lower side surface, wherein:

said cooling heat exchanger is tilted relative to a horizontal surface; and

said cooling heat exchanger includes a plurality of tubes disposed in parallel with each other and a plurality of corrugated fins each of which is disposed between adjacent tubes.